

Date: Wed, 9 Jun 93 07:07:39 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #701
To: Info-Hams

Info-Hams Digest Wed, 9 Jun 93 Volume 93 : Issue 701

Today's Topics:

3 Element, 2m Beam Project ?
6m transverter for ICOM 751?
Air-band radio question
blind VEs
Field Day Power
ham radio in movies
HB9CV (was Re: 3 Element, 2m Beam Project ?)
HB9CV uuencoded GIF
HTs and Customs
HTX-202 error mode
Question: Can a novice take the extra test?
Ramsey FX transceiver kits

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Tue, 08 Jun 1993 23:17:30 -0500
From: think.com!spdcc!merk!harvee.billerica.ma.us!esj@ames.arpa
Subject: 3 Element, 2m Beam Project ?
To: info-hams@ucsd.edu

In <1993Jun7.171157.19129@bongo.tele.com>, Julian Macassey writes:
> The HB9CV antenna is popular in continental Europe, it is not
> well known in the U.S. I have used an HB9CV and found it an ideal a
> portable 2M antenna.
>

I bought an hb9cv when I was in England in '84. It survived TWA, and a few New England winters before being turned into scrap by a roofer. It was a really really neat antenna that worked well.

You can find plans for one in the RSGB VHF/UHF manual (mine is fourth edition) on pages 8.30 and 8.31. If folks really want a copy, look me up in the call book and send me a SASE (as well as your email address) and I will send you a xerox of the pages. However, be warned that I am not fast at returning paper mail... :-)

I wonder how this beast would work out stacked?

--- eric

--

HOME: esj@harvee.billerica.ma.us HAM ka1eec
WORK: 617.630.4687 (w) esj@ruby.polaroid.com
source of the public's fear of the unknown since 1956

Date: 9 Jun 93 12:47:01 GMT
From: news-mail-gateway@ucsd.edu
Subject: 6m transverter for ICOM 751?
To: info-hams@ucsd.edu

In a recent posting, Joe (KD4LLV) asked about transverters for 6 meters.

I have a Tokyo HyPower HX-650. It is well designed and solidly built. With selectable front ends and a DBM, its receiver is quite stout (although not as sensitive as it might be). TX is very clean. At \$500+ it's kinda expensive, but it's plug-and-play with all the current HF rigs and it's not bad to look at.

Another contender is Down East Microwave. Bill was showing a 6-meter transverter at Dayton. Runs about 15-20 watts. It's a semi-kit (takes about 1/2 hour to complete). I don't remember the price but I think it was in the \$300-350 range.

SSB Electronics makes a fabulous 6-m transverter but it's >\$800. :(Microwave Modules (now defunct in ham stuff) made a 6m transverter a decade ago but they're pretty rare.

Good luck -

Michael R. Owen, Ph.D. a.k.a.: W9IP
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- voice -

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Star Route, Box 60

Canton, NY 13617

(315) 379-0161 (6-9pm)

(315) 379-5804

Date: Wed, 9 Jun 1993 08:38:48 GMT

From: elroy.jpl.nasa.gov!sdd.hp.com!apollo.hp.com!hpwin052!hpqmoea!

dstock@decwrl.dec.com

Subject: Air-band radio question

To: info-hams@ucsd.edu

The score so far, according to the international jury:

Julian - a full 10 points for a really superb wind-up

The Net - 12 points for gently advising him how to stay out of
jail, with no trace of combustion.

This result surprises me, I'd have expected someone to try to egg him
on into trying it, if just in the hope of not having to see the word
"Morris" on the net for a year or two ! (Anyone who needs a smiley here
has a bigger problem ;-)

Cheers

David GM4ZNX

Date: 8 Jun 93 21:39:57 GMT

From: ogicse!uwm.edu!ux1.cso.uiuc.edu!sdd.hp.com!col.hp.com!fc.hp.com!

perry@network.UCSD.EDU

Subject: blind VEs

To: info-hams@ucsd.edu

This discussion is subtle in that both sighted and blind have
preconceived notions about how the other side lives. This makes it hard
for blind and sighted to communicate. Our language is even skewed - for
example, I say "I see" when I mean "I understand". As a sighted
individual, I envision situations that could cause problems for blind
VEs, yet there may be a reasonable workaround.

Just saying the FCC ruling is "discriminatory" isn't enough - that's a

red herring that panders to Political Correctness. Prove that the blind are capable of being VEs.

In principle I'm against limiting a group of people based on my preconceived notions (aka prejudice). This prejudice is based partly on incomplete understanding. So, I need some data. The concept of "reader" is new to me. Could someone explain (Mike, you seem to know) what a reader is (person or device), if the reader must be technically competent (e.g. hold an Extra License), and how a blind VE overcomes these problems:

1) Cheating. How do we prevent it? The FCC is ultimately interested in proof that blind VEs do not compromise the program.

1a) How do the blind check calculators that are loaded with equations, constants, frequencies, etc?

1b) How do the blind detect the presence of cheat sheets? These take many forms - disguised as exam papers, on watchbands, behind pocket calculator flaps. Perhaps they take forms that the blind do not understand.

1c) How do the blind detect roving eyes?

(I've detected all these forms of cheating, but I used my eyes.)

1d) How does a blind VE actually grade the exam? Grading must be done in silence. We wouldn't want to repeat the answers for test 3A-92-1 for whomever is still taking the test. :-) Is the blind VE reduced to a rubber stamp, relying on what the reader tells them? Do you _really_ trust your reader with your license and \$8000?

1e) Though nobody wants to admit it, we have problems with VEs that take bribes. With a reader, there is an additional point of corruption.

2) A blind VE + reader is two people, yet VEs are individually accredited and responsible. Splitting the legal hairs here could employ several thousand lawyers. Maybe the FCC sees the quagmire and wants to step over it.

3) Interaction between sighted and blind VEs (other VEs and examinees). Would the grading process be slower? I haven't given much thought to this but I do a lot of stuff with my exam team that implicitly requires sight for timely results. It is not fair to delay examinees and other VEs.

4) The blind qualify for the element 1C exemption. Yet now I hear that the blind really are not limited and should be VEs. Which way is it? I think blind hams damage their position by accepting a exemption.

Maybe we could ask the FCC for a trial period to test the concept of

blind VEs. If so, we should seriously attempt to cheat the system and understand if there are any fatal flaws and where accomodation can be made.

73!

Perry Scott
AA0ET
VE/ARRL
"My opinion only"

Date: Wed, 9 Jun 1993 11:50:10 GMT
From: mvb.saic.com!unogate!news.service.uci.edu!usc!sdd.hp.com!apollo.hp.com!hpwin052!hpqmoea!dstock@network.UCSD.EDU
Subject: Field Day Power
To: info-hams@ucsd.edu

Gary Coffman (gary@ke4zv.uucp) wrote:

(I deleted all the good stuff)

: Alternatively, you can isolate the generator with a ferroresonant
: transformer such as one of the common Sola models. This will deal
: with voltage regulation problems. And the transformer won't work
: unless the frequency is close to right.

: Gary

: --

: Gary Coffman KE4ZV		You make it,		gatech!wa4mei!ke4zv!gary
: Destructive Testing Systems		we break it.		uunet!rsiatl!ke4zv!gary
: 534 Shannon Way		Guaranteed!		emory!kd4nc!ke4zv!gary
: Lawrenceville, GA 30244				

The "Constant voltage Transformer" "Sola" "Ferroresonant AC voltage regulator" by its various names, doesn't just give poor regulation if the frequency goes off a bit, they go up in smoke !

I've met the results when someone used an American 60Hz unit on our 50 Hz mains. Not pretty but pretty smelly. 10Hz error is sufficient for destruction. It'll be a bit of a game as to whether fuses or trips do anything before the transformer is damaged.

It is very unlikely that any common transportable mechanically-governed generator would be stable enough.

For field days and other out of door fun I strongly prefer Diesel to petrol (Gasoline) powered generators. I agree with the posting about ignoring big amplifiers and going barefoot for greater fun and sense of achievement. A homebrew generator with an engine driving car alternators via fan belts like some crossbred cosmic bacon slicer/ buzz saw from hell should really attract interest. The batteries loading the alternators will give sufficient protection, magnetic circuit breakers drop less voltage and can act faster than fuses for the feed to the rig.

This gets you out of the classical need for a monster generator not because of your power consumption but because of the need for regulation with fluctuating loads.

Daydream mode *ON*

I rather fancy building a steam engine driven generator just for the hell of it, something like a flash plant into a turbine and a high speed alternator. It'd have to be a closed system to reduce the amount of supervision needed to something tolerable. With a more conventional boiler, timber or waste could be burned. How about being able to claim steam power fuelled by 100% junk mail ? tempted !

Anyone for Stirling engines ? Russian thermoelectric wotsits?

How about something to get TV journalists interested ?

Cheers

David

Date: Wed, 9 Jun 1993 12:23:44 GMT
From: elroy.jpl.nasa.gov!sdd.hp.com!apollo.hp.com!hpwin052!hpqmoea!
dstock@ames.arpa
Subject: ham radio in movies
To: info-hams@ucsd.edu

Robert G. Schaffrath (RGS%gms@gfimda.UUCP) wrote:
: In Die Hard II Kenwood HT's and a Kenwood TS-940 were used. The HT's were in
: the hands of the Terrorists and the TS-940 was in use by the Marines.

More evidence that a VHF upward licence would create undesirables !

While the work needed to get onto HF forms good character.

Sorry! the devil made me post it!

David GM4ZNX

Date: Wed, 9 Jun 1993 13:08:44 GMT
From: swrinde!gatech!concert!news-feed-1.peachnet.edu!umn.edu!math.fu-berlin.de!
uni-paderborn.de!urmel.informatik.rwth-aachen.de!rubb.rz.ruhr-uni-bochum.de!
news.uni-bielefeld.de!techfak.uni-bielefeld.de!
Subject: HB9CV (was Re: 3 Element, 2m Beam Project ?)
To: info-hams@ucsd.edu

In article <93160.134018WKOEHLER@ESOC.BITNET>, WOLF KOEHLER <WKOEHLER@ESOC.BITNET>
writes:

|> bsieker@techfak.uni-bielefeld.de (Bernd Sieker) says:
|> >dipole antenne. So the value I used to know was 5.5 dBi over dipole.
|> ^^^^^^^^^^^^^^^^^^^
|> You cannot say 'dBi over a dipole' as it doesn't make sense.

Oops, yes, I certainly know that, but the 'i' just slipped out of
my fingers. Sorry if that confused anyone, I didn't proofread very
carefully.

|>
|> Without having the figures at hand I would assume that for the
|> HB9CV (an antenna widely used all over Europe and beyond) a gain
|> of approximately 5.5 dBd = 7.6 dBi is realistic.
|>
|> 73, Wolf.
|> DL3ZBJ, AB6EL, VK6BGV.

How come you've got so many calls?

73 de DG6YHI, Bernd

--

only	-	Real Life	Bernd Sieker, Universitaet Bielefeld
//		IRC	Pink
Amiga__//		HAM Radio	DG 6 YHI
\X/		email	bsieker@techfak.uni-bielefeld.de

Date: Wed, 9 Jun 1993 11:32:30 GMT
From: sdd.hp.com!nigel.msen.com!math.fu-berlin.de!uni-paderborn.de!
urmel.informatik.rwth-aachen.de!rubb.rz.ruhr-uni-bochum.de!news.uni-bielefeld.de!
techfak.uni-bielefeld.de!@saimiri.primate.wisc.edu
Subject: HB9CV uuencoded GIF
To: info-hams@ucsd.edu

I got so many asking for the HB9CV design that I will post it publicly.

OK, here comes the uuencoded gif of the HB9CV design for the 2m amateur band (it is designed for the european center frequency 145 MHz, so for the U.S. center frequency 146 MHz it might have to be build slightly longer.

All lengths given are in mm.

The boom and elements should be made of 6-10mm aluminium.

The feeding line should be made of 2mm-wire and have 4mm distance to the boom and elements. it should not have conducting contact to the rest of the antenna except at the feeding points. The Capacitor C is used for trimming to best SWR. At the points A and B a coaxial 50-ohm wire can be directly soldered to the boom/element crossing and the feeding line.

The main beam direction is the direction of the shorter element (of course).

BEGIN ----- cut here -----

begin 644 HB9CV.gif

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M1TE&.#=AJ '5 _ /___RP J '5 P "_HR/J<OM#Z.<M-J+L]Z\z
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M9@IZ(. /9@^%9I% %32D9G:&9B8_9HF%*(' (B+>+)HSV*: 'T#GW(1<6#*D75Az
MHUSZ&>GY-E'9I5":IE[(I*UBFZZ.FPYI%*ZIGG*5KW%*8D*H8LJD0&7EU0Zy
M_D!FH5]N:J:M1JF<680W.:;0:(W7:2 Z1W"?ZI7)2*-"-JJ1E3IYM4XS(DINx
M%WRO&DM@-90"Z)RX!Y/\B:EL>J:--LD6767&JR.ZJ])JAQU8WZ\JO BJNHw
M]#P)R:OF5SIXX1W?:8K3:I7)X:=H*I^DFH<Q&J5F294^V*'=T(&=JBN_M:0?v
M&F\&YIT3"F7>>G0STZ8U%J^\$6*JW8ZN<B8[P5:CDTX&MRH*Q0*U)RJJK]:=Xu
MAV'@RJT<.*U=4GF\A)\[VFC-^G9@&(RY0J^0RH^OV\$(6B["ED:,19ZU*&CJ:t
M 1-!&G3MV#\FFZ4)&TH3.X^%N8L[%Q?_VF<R&XI@_O>QFT2B?'E;&3:(, #>7s
M/XNOM- =-M>7'2NR'+NS)W@<6VJ0<BF*IJJ*P*,N;H*:S4+MWJ0BTM[2]C0&D±
M##[6R%ZL61(*0,CI6Z:HC:WNR6[&GM"E6CHBJ/(:E@TJHBZ=F=1J)C!:VAE2Vq
M+ NW@#B:BEBCXG2XG7B,:"NX=>L/= %NS<E"B%X>S,8&HR26B;*L6?M4<P/:3p
M&8ND# 'NYF-NHUXJMK.ND*<NSRTJUX7I94[:G>A)EM.N63HLA1YM_W32G+V,Yo
M-Y8:&UN+RDH\JSM8G2*/TQE<Q[NX?Z&%TL:Q@I.#3*>OTM8TUNW<DNY5^N)n
MK^MKR'N1ZVJ6R)BV(9J"_N0;M<' +-N@;2NI[(>PKO>:[J1[KF9,ZOM&,\$]R;m
MNON53_++@X@KO?Y[KA!3P,:K;MK+?^ZK>\P*001,H09;,OSZN:#[!IG;I,[91
M8GWMUI*P8L\$P!W<KQBLIP;\P61&6B7\07H:PCEKH8^GJA+FP& ;PR84IV2'k
MPM"IL3=,1#F,;3MLG\$+JPQH\$Q-<EQ+S)E>T;J![,PR!<PR)<Q*\$GP5XKKD.Lj
MNDD<%0IL>[2#HRLJIU2WQ7Q[O>[ZMD\$GK/#TPI5+Q@#J84>,@&0\KE-,D10Wi
MPW\;Q3#<Q+J*NO^;P<E*H;NINRQ,R ><F')<CW3<>\$Z,Q6V+R.^XQY55R!^<h
M_L6/W%^[IBW%!\8Z;;G?J,A ^*5XRK_YV\FM*[OY<KH7W,)+6LJS]<DNU<CBg
MN\E!W,K5]<H8J*^1W,>&_)BUG)V#G'<ABY:SC,2U++40D;9"ZXE7_+6.G,>Nf
M.[42:L923,QQ_,PDF[C2_)74S,R F8A/!,C1&LW.: \09K,I^?,+L&DY2Q\4Xe
M#,<@J#B2Q,YM[,YWK*5*6(^>YRRE)_Z6<7]JZGY'-#[BLK'?,J3_,2\$.K"Qd
M?,MD>\F87,TB^("!FSVD>M"[3,DZ/-\$_VIO#-3J^F\9_[,J\G,HM^#K3 =+Tc
M2Y<A/;>3FQ 7?<XD37FKC,R=&XPH;;F,ZU0T7:4._I71>MS-P#RNZ S376RNB
MP\JQ1 Q7#*W+7203-IQ9'<32L@S!"-W,LC?5M46LQ2K5*BVY)&S5WIS45]W0a
M=Y73/PV6HTS06WW%8LW(3%W41MRX.TW4YOS#<[W49-W4=VUK0CW43]W.BA8Vz
M9YW0G>?5:ZW-MY+2_URC&\RU;ES6"*S6JN08*BI@FVNSL]05D[W/1803>/U8y
M/#W.B?W1A W74EK94\$W:V\S-F@V0=5W3"GJEC.S65GW:L1UFG007MWW(6?W8x
M:]7/' ,?9?\RE<7V\$7VK:>OUM9[S,-VN7,5W8:3W<+?V@ ES!C!VZ> NKQXT5w
M)TK;?GW=A]W97AJ^0.W:_GFMEYQ[LUM+W3_BV_6KW0N;H\;MSZ*]TN+\O _:v
MNTXYW<E;J7DKPWW]VCFWW4>H6QC-VW/VWP4NV# "KG:#-QP2>JTW&VD,) %^\=u
MP!C>VLG\T4>KX2#ZX6R<OYAMWR.,W7;;VAM^H='=W\U=XI0=XG.,FL^]VPE^t
MWRW^VRM.SS6NW#*8XN9]I-9=WR^>W>([WN@CJT\$]X&B]URT(J,.LY'0-V#0NS

MY-.<XPANXXT=XYF]VE0>WB:\W%N.L?I=X2=NQS@.WT9.M 7L.!H5L([TXR).x
MSL%-DV;NPF)NQ=I%H!&->&BNVL#-XF58FFI^YX1.U=?+Y (K4F^^R\$1^Y'/Sq
M_JA9?LE\CG\Q+N- Q;MFM^CD";R&KM4_MPJU4^9H[.E,[.<JCE(C#7V#?NH@p
M7NJ6K9F1KH"4WNFM+N=. [8<.:<^&;>N7/N,02>MPCN<Z+7"[CM60_N?.95;(o
M#GC##IK?%>R-#ML]#>U1CMX4G37&+MU@;M=]GM2U#=#V)WNV5KNW79>E<'L3Xn
M_,".+M+.KMYNHJW@/>3LWMYGHI.A/>VC;21GB^]3'MD^ N[A'NCT'6[;3N^'m
M70#DSNQ GO# "00"WWO"U;N<('\$_\$SG>_W6_\$_.W^OHGO\$&?_%?W?'2[N]-'O(T1
M_/"^70+F[NX/GO*/O&?WO)\$N0(' /,J?_(<7_,W_@ZY) [S, [->] [S/C[Sk
M_1_T;SST\E[T+@XZ7Y[T60[S[=GT08S?4!_U.M^P!U[UK'SS8Y[USKSQ7-_Uj
MQ#WS2AWV)QS?6%_VKO[TLYWV&;[U>=[V"?SVQ! [W<O_U<%_W:O_R5Y[W03[Wi
MS][W0_[W[Q[X@G_W=%_XACGV2)_XUUR[C:_C>Y^..Z0WY_ [Q#DCYE5_GDJ_Hh
MC*_Y5&J3FI]*YP[)HE^<EX_YIC^Y!Y]]GO_YQ6UC1*_Z50DR#C[[6"[ISWC[g
ML<[ZIKG['8WZD?O[J<[YRCG\BE0\H'K\!C[X0[0\5-S\N?_\>\70FS_]&%C]f
MFI@0KG_] *W+OW5\9X" _^_N-/ _N50_N>/ _NFO_NO/_NWO_N_/_\$0__/_/ _50e
M__>/ _FO__O/_/ _WO__]/ /\$Q=;G]89235GMQUIMW_\%0',G2/-%47=G6?>%8d
MGNG:00%<W_G>_X%!X9!8-!Z12>62V70^H5' IE%JU7K%9[9;;]7[!8?&87#: ?c
MT6GUFMUV0^%Q^9Q>M]_Q>?V>KP?T 0-3 /XJ"@41\$ST(#R4:%2\$C)Q@-'PTLb
M)3,1*0DG S [-46;&\$-C*#F]4Q%0\$TQ'875*9UM;3#F\$077-95UUQ8X%A:(=?a
M56X0'U\+DW=9BX.A;9]]?TF./V^5FW>3_ZJCP4=J&Z9-KE0' #QJ7=;\$7RL/Cz
M_B_@?:75W0^]&7#7D172Y06LY(B>B&/LM0V[M[!70V3?!\$;<!U\$=Q0_9\$*X"y
MQ=!<0V4)8:<2-#>PX49VS'SV*^@2)<M_;'0=B_?0H3CSEET&1&D,YV+?NG+x
M92E=T68P=TKLB>TG4'+910XC*K1C4J04)C9U&I6CAH]7P3HC)ZR:5I(5PZ;Ew
M@?0\$6[50!YDU*!=N71!N2^"UN<BW;M^^0:VH%<<8,&'(Q">BU@@5!J*0T!Fv
M' B=X0Z2^TZ.5[D&YD6:-SN>X9D#:=!Y.#^VO,'TZ3NI1Z_V*MMU'=@R3"]]]u
M6A0:[5.&:0UNS5N.;[*LAU6B33S.NN48)!-SJYMY_06J\Z1GU[Z=NW6[D+F't
M%S\^N?>DX,FG5Z=_,[HTBE0)TBL_4N_V>,_KSB\0A'VQV>;1;B\Y.M/"0%>s
M*P4Z/3;S\ N%M(PON))P:] "D![4 Z",+N?K-' /XP[*&<#2GTD, 0,^2GFQ(!x
MM 9\$%&51L1Z9.#RKL!=AQ\$' #6E4C< :<U1M*N> G+' "'X.\(D*FC%P!Q_R0q
M3-(^IHTIL@'GBQ02B4\$M.')22S4<DM!OK1QKBO'1*/ ,Q,) <,\TTW,2R333?p
M+ "-. ![(4L\X?Z!PPMA_[W-/ %0, 'T<5!!22&TT#/\1323.W=KU-%((.TPLDHGo
MA5!1L23=-!-,I8K2TT\W_D6KTU&' -5,\$V]\$U;]2Y>QL3E?)5)735FD%1,_ "n
M1,UU#UM0/= /7/G9=[-1A7P,V)ER114W9ZRZ%M=DEBKVTUVESJ#8N6:_%5D=Im
M(V6466_I>!;:0\ EMPAS\TQ7W53!;??='0HBE-U9Y_WV&TSO[3;?WR#2ED%N1
MC_V7+(HJ[;=@@UU@'U*%QV6X15.K;"M>?"5FE6('G;S8WXP[QDID*PF.&&0:k
MB>0Q9\$--/KEC!'MD65B7#FUZPO)C%G9GFB2]LV..%=P8#8IV#)F/H:(N6YC^?j
M2R8Z:80#8UIFI)]&0;<E29X:W:JM1CCAGUOFNB^+!/8S9ZK%#ELJ.H_>.FVUi
M_D?>5NNQWX;;)YR/!+KN "\$HV^R\[=X;NY[_EMCM 4?NSL6\$Y0W\3/A:US(h
MCQ_4%KYS"J\<B">I8XPS3?WH?-Z/S<W] \GQU,NT-].#W" 8QW\=. '&>_U@g
MU3-@/?\$=2RUSJ=_ITEUPD(#U/>JG@C?]7WB*UPEK.8^W5#F?NIQ=^HVE9G.]f
MZ\$/-?3TF3V>^]QIA?N>][2.0F_CQH=XQW'.AE[!ZZ\WOIOFYYP5]V/OJ]3Y]Ge
MR>07B>?%CW_]F]__LD<-*FFO@%\$8759NQL &/N&!J^J;\B98FLLYKRG"VYOKd
M\ '8[0650@=R3F^T01T+:5<QB^~N*"@?&0M2=S5HP_HQAL\$YXN!K:T' #PFR\$*c
MW<9#*,GP1#0,HA M^#477@:#)WN&\$HV8&20.\$8==6Z(&W>6R)_ :I@B.<X@49b
MET"G?7\$@(02@%GXXK2LB)XMIC!T0Z>;&('0Q<')L&@+C:\$?1;?" '>A01'X0Ha
MQS^ND6^"7 L@763(04;QA>MJ8Z[HF\$)X\3"21R3"(R&)2%X= 9.TJJ3B."G\$z
M3P*EB1:<X"B96,K\$B%*3T>HDEEA)2*;X3T*AI&0K [@TCODGEHQ]2%F*,< Yy
M]A*.NT0>]6QI0U3F[XVS3"8,EUF@#;T23\34816/^<MGJC":2" '1-DG83;*Ex
M#)P97"8SLX),7M[RBL(T_J8SUZE,7*Y-14.BYEC8Z4ML)D2;\83F/\$EYS_KEw

MLYBIA->\$P@G05 I4?A[4HD*QR-"&2G1/YPP016>I2E19U("7/. I(<I&C"(Tv
MH;(<W\$@_6D"'4A%R'G4G_5:ZJ!MA%)[<Y"B#-(H\FKXIIJ8,J"-SZJF>L@E0u
M0-UIFH8*QD'1-*D2:RKNE@K46X:T*]H+JOFF*LOID)1S1TV6+CEY4VDNL*06t
M0=]9SSH]?=[M@FAUZU03>A6XSI6N8&WA?)65[WN-8*C\@9?7_J7=*I3IX Us
M[%P_V=-KHV>A4WIE+QJ5JX::Z!QH]YD%1FC?'R)'D79XC4RRZ=0)E)U0R)Lr
M_0="JR_+"I: =PNL#U,KPHS2\H8Z+6%+KJI'5-0..58M(5%CZZ7-+B.89?/Fq
M9[VV1SN*!H+WL=]V?DFZ5V+VG\0%YF.!.]&Z_E&Q";4N5&&K5*0&E5XIB^R6p
M=KNOX=;6M[>E[0V0>]X@,1>KV)/I>)_[OFS5,[<5W6QIV5K&MG+5G:K\$+CJMo
MEUY@HI:EMNU9+1DL7.K:] +OZ#: ^%&QM@".^S0A,NZ8,CC&#Q<DJ8GIT*=[V(n
M\$?!R6+_0!3\$Z<]K?3+Z3A7J9YH%A+&-!JGBP1_Q7+7!KE.#&R+X:+G)I#^BYm
MIP[9>T=^85->%P=AY: ^JP4?>2]L9";OU\G0<JMV_G\RY?Z4#P1A.YEN\N]l
M*K,5A!KNKG?/C&;\E+FX<W;O D,!/.N2=<5/EJ> 'IN<R7(BI7:=;?KRW-E\$k
M>[B^6\["FFDLXCX[N@J0+K*>Q\$SI&Y*NLO03M)+6BV\$Q+?G39PROB;%<:B=\j
M)9MR/NRKJR??HAFG8EH"-*QQC6N86EI_0<YN5W,=#XCJS+7]?\$<2BQL62LEi
MU.\#':GA.SYH,X?5K1X.CBT'JVE3F]=7YL^;LUU07Q4;>BME=*(VE>FW5%M_h
MY[9]N;&A-?6<=SF71QV".CN5SU,W74I]KW9RU@T0V'>I'0BD?P\FV;*CX(%g
MORC-@!SIWDY:WW-T>,/_@X*\$'\$ZNLN^+;WS9>+%-0?B1GW1MJ6D8 \J.MY<f
M:KGLP*'L-B\5W K/I<<'0*:2ZTKF/9]YAD6*\YQ_3>C-\;FAARW@+;CX0_U6e
M2_ELAG)J[=R2XX8WP*4*==DV2\GV!++332I%<A7NZT4W8R#?178>X\%X9K?/d
M:I+>Z#.TR^U05YS#ZFYSFN>],=?&"]BMX3/ V[W#;I VMK*>=7I)>%B*' [Q!c
MHLUW33A^#I=I^4^3%?7"%[RO='*S\MU=L3_'?3%65G(22]PB<,!353/E(U/b
M; .7F-. [QS. [A9_M&&)_/09:EKT\ :A^:V]=YQ+;?_?#MUUJ>!%_X:MUPEA60a
M_J; . P/V]L9V].W\$+_Z?5/.3CL;E\$:68\K@^).1';^:G+P;L\T7[B5@_^]-Oz
M&_?__SQA\5-1?%^QLP?B\QN?\Q]KI_*[_^"X>B"[5?L3Q&^S0_9D,S*:L9By
M8SD:< +OK<X2\%-2APDHD*Z.+P(G;WNX;H,N,+-&9P05J015S8&H*04=*0-9x
M4 -%\ 57;05ET.+"K0872=QPT ;7:@=%ZP9]D,MZ, @/"0B)4+B,\ B3D+64w
MT*.6L GQ2/2@L B'< KOR-2L4+FJ, MUT(JX\ >W\ NQ< S%4(W"L RE\30v
M4 B[< W%B S=\ PI*PZ14 [I\$.VB\ [?< _U\$ [3_K /U3 / 3%KVG 0\= /u
M#3&!#f\$1^V@1&9&T"0\$1F?":)/&N(K\$2F>@);;&' ^' 31\X1/3\$3[3 4\X,&t
M2;%_H3%3E\$4;4\$55[&04*+;7A\$645'N\,'79M&@V*C'-(+_<K'3\&DL-,XC
MGN\7=;\$K" <ECH(C),\-<0+AWLTA>J\$F5L\83RI8E)\$AB\$(;C\T:2['9-":(r
M'8(E3-#1\HP8JXD9?\\;(V,H4&(;>0\$9"3 (_XH;X0\$>N;\$;V?\$8WU\$A4J+Wq
M]E%4LK\$==*\$<:Y#X\+&> I)G< (?)7\$A%7\$9(9)SWH&?)G*2##(1Y_\$B.;(Cp
M/?(C03(D17(D2;(D3?(D:E\$R)55R)5FR)5WR)6\$R)F5R)FFR)FWR)G\$R)W5Ro
M)WFR)WWR)X\$R*(5R*(FR*(WR*)\$R*95R*9FR*9WR*: \$R*J5R*JFR*JWR*K\$Rn
B*[5R*[FR*[WR*\$R+,5R+,FR+,WR+- \$R+=5R+6FE .Z5Rm

1
end

--

only	-	Real Life	Bernd Sieker, Universitaet Bielefeld
Amiga_//	//	IRC	Pink
\X/	//	HAM Radio	DG 6 YHI
		email	bsieker@techfak.uni-bielefeld.de

Date: Wed, 9 Jun 1993 07:57:43 GMT
From: agate!howland.reston.ans.net!torn!nott!bnrgate!bcars267!bnr.ca!
wdhyte@ames.arpa
Subject: HTs and Customs
To: info-hams@ucsd.edu

In article <1uvrqlINNjd6@topaz.bds.com>, ron@topaz.bds.com (Ron Natalie) writes:

|> If you have a piece of equipment that appears to be of foriegn origin
|> (Cameras are the most common instance of this), you can register it with
|> Customs on the way out of the country. They give you this little form
|> (about the size of a doctor's prescription) that lists item and serial
|> number so you can prove you had it when you left and hence don't owe
|> any duty on it.
|>
|> -Ron

It has also been my experience that when travelling back and forth
between the US and JAPAN that one if not both countries are going to
think you bought the stuff at the other end. The form metioned sure
does help as does the actual receipt if you have that. Actually I've
seen more trouble with the security people than I have customs.

>>>Dave

--

Dave Hyte wdhyte@bnr.ca | This space intentionally left BLANK
NTJI/BNR Japan | (WZ1S/7J1AIW)
Opinions expressed do not necessarily reflect those of my employer.

Date: 08 Jun 93 07:47 CDT
From: agate!howland.reston.ans.net!sol.ctr.columbia.edu!news.kei.com!news.oc.com!
utacfd.uta.edu!trsvax!trsvax!rpo@ames.arpa
Subject: HTX-202 error mode
To: info-hams@ucsd.edu

This is caused by a near-dead backup lithium battery. The average
life of these batteries is about 1 year, so (considering shelf time)
this is pretty normal.

Paul Opitz, N5TPQ
Radio Shack Publications

Date: 9 Jun 93 13:33:24 GMT
From: news-mail-gateway@ucsd.edu
Subject: Question: Can a novice take the extra test?

To: info-hams@ucsd.edu

>
> > When my girlfriend took her no-code she had to take the novice portion
> >twice. The VE (ARRL) made her pay another testing fee to retake the
> >element. Is this the VE's decision or does the VEC send down the word on
> >element retesting fees. Someone else said they had to retake another
> >element and said they didn't charge him the testing fee twice.
> >
> >Dan
>
> 000HHHHH! That GETS me something AWFUL! I don't know if the ARRL VEC
> has brought ALL novice testing under the program, but:
>
> I am a W5YI-VE, and I have done about 75 testing sessions, about 5 of
> which were with the Laurel (MD) VEC, which gives all exams for free.
>
> W5YI charges for exams, but NEVER for Novice exams (implying elements
> 1A - 5 wpm, and 2 - Novice written exam). If somebody fails the NOVICE
> portion of the test, they should in no way be charged to retake it -
> they shouldn't even be charged in the first place, as (I say again)
>
> THE NOVICE TEST IS STILL DEFINED AS A FREE EXAM
>
> because it can still (or could until recently) be given by NON-VE's,
> who can't exactly charge.
>
> Just 'cause one PLANS to take the Tech. test, and they fail the NOVICE
> exam on the way, there is no way that they should be double-charged.
>
> In fact, W5YI allows its VE's to give ONE FREE RETEST of ANY failed
> element, at the discretion of the Examining Group. Not sure if that's
> a free retest per element or per Exam Session, but the provision is
> definitely there.
>
I commend the Laurel testers for their stand on free novice exams. I agree that it should be free. Another wrinkle is for nocodes who want to take the novice 5wpm code. Some places that give free novice exams to someone without a ticket will still charge a nocoder for the 5wpm exam that should be free! (I know that this is free in Laurel, I was referring to other places). One thing that Laurel does do, that I don't understand, is demand an "ORIGINAL" of the nocode ticket before taking the 5wpm. It would seem to me that all that should be required is to be able to prove who you were, via photo id. I don't know what an original ticket contributes that a photocopy or glance at the callbook wouldn't provide. I will say that after 15 min of arguing they finally agree to accept photocopies, but who needs this additional pressure when they are nervous already. After all, someone can come in off the street without a ticket and take the

test, why should someone with a ticket have additional requirements?

Date: 8 Jun 93 22:20:07 GMT
From: news-mail-gateway@ucsd.edu
Subject: Ramsey FX transceiver kits
To: info-hams@ucsd.edu

For all you Ramsey FX transceiver kit owners, here are some needed modifications.

1. How to cure the transmit audio problem.

Ramsey engineers forgot to put load resistors on the outputs of the LM324 so above a certain level the transmit audio has cross-over distortion. Install a 10k ohm resistor from U4 pin 1 to ground and another 10k ohm resistor from U4 pin 7 to ground.

They forgot to put in a transmit audio gain control for loud mouths, like me. Replace the audio gain resistor, R58, with a 2k ohm pot which allows gain control so loud voices do not saturate the op-amps.

2. How to cure the squelch problem.

The squelch circuit does not have enough hysteresis.

Turn R24 around so the bottom is where the top used to be. Solder the anode of a 1N34A to the new top of R24 and solder the cathode of the 1N34A to where the bottom of R24 used to be. Solder a 10k ohm resistor from the anode of the 1N34A to +5v (top of R11).

This allows pin 10 of U1 to swing 0 to +5v like it was designed to do, instead of swinging 0 to 2.7v with not enough hysteresis.

73...KG7BK

Cecil_A_Moore@ccm.hf.intel.com

Date: Tue, 8 Jun 1993 20:06:19 GMT
From: elroy.jpl.nasa.gov!sdd.hp.com!portal!lhaven.UUmh.Ab.Ca!combdyn!
lawrence@ames.arpa
To: info-hams@ucsd.edu

References <77u1t*L4v@lhaven.UUmh.Ab.Ca>, <m16ugfINN5g8@exodus.Eng.Sun.COM>, <4034@eram.esi.COM.AU>awrence

Subject : Re: ft530 rubber resistor: tuned low?

In article <4034@eram.esi.COM.AU> dave@eram.esi.COM.AU (Dave Horsfall) writes:

>Just what exactly is wrong with the antenna, that's got people so
>upset? I contacted our Yaesu rep in Australia (Dick Smith Electronics)
>and he says the 530 antenna (not the receiver, which I gather is more
>sensitive) is just 2dB down on the 470; in his words "big deal." And
>the 470 antenna is not as broad-banded as the 530 duckie...
>

2dB doesn't seem to account for the 5 S-unit difference (on receive) I'm
getting between the 530 antenna and a different rubber ducky (rated as
0dB gain on 2m, and something like 2db on 70cm).

It also makes all the difference between hitting the repeater and not hitting
the repeater. I haven't had a chance to ask for a signal report, but at least
I can make it now.

--

--EMAIL-----	PHONE-----	FAX-----
WORK: lawrence@combdyn.com	(403)529-2162	(403)529-2516
HOME: dreamer@lhaven.uumh.ab.ca	(403)526-6019	(403)529-5102

disclamer = (working_for && !representing) + (Combustion Dynamics Ltd.);

End of Info-Hams Digest V93 #701
